



436546

Ohio Environmental Protection Agency



DIVISION OF
HAZARDOUS WASTE MANAGEMENT

Southwest District Office
401 E. Fifth Street
Dayton, Ohio 45402-2911

(513) 285-6080 Direct
(513) 285-6000 Division
(513) 285-6249 FAX

Elisabeth Rothschild
Environmental Specialist

Ohio Environmental Protection Agency



Division of Emergency and
Remedial Response

P.O. Box 1049
1800 WaterMark Drive
Columbus, Ohio 43216-1049

(614) 728-5257
(614) 644-3250 FAX

David R. Jancuk
CRO State Coordinator

e-mail: David_Jancuk@central.epa.ohio.gov



Ohio State Emergency Response Commission
Ohio EPA Emergency Planning and Community Right-to-Know
P.O. Box 163669, 1800 WaterMark Dr.
Columbus, Ohio 43216-3669

Please check, as applicable
EHS Reported ☐
HS Reported ☐
No change (from last year's) ☒
Exempt ☐
Negative ☐
First time filer ☐

Facility Identification Form

(Important: Type or print: Read Instructions before completing form.)

For filing Date: 03 / 01 / 94 /

☒ Check if form is identical
to form submitted last year

County: Montgomery

1. Parent Company or Public (Entity Identification)

1.1	Name of Parent Company (30 char max) NA	11	
1.2	Address (30 char max)	12	
	Address (30 char max)		
	City (25 char max)		State
	Zip Code		1.3-Parent Company: Dun & Bradstreet #

2. Facility Identification

2.1	Operating Division Name (30 char max)	14
2.2	Facility Name (30 char max) Dayton Electroplate, Inc.	15
	Street Location (30 char max) 1030 Valley St.	16
	Mailing Address (if different from Street Location) (30 char max)	17
	City (25 char max) Dayton	State OH
	Zip Code 45404	2.3-Facility: Dun & Bradstreet # NA

2.4	Emergency Contact (30 char max) Charles J. Borum
2.5	Alternate Contact (30 char max) Morgan Moore
2.6	Fire Department Name (25 char max) Dayton City Fire Dept.

Where to send completed forms:

Ohio EPA
SERC
P.O. Box 163669, 1800 WaterMark Dr.
Columbus, Ohio 43216-3669

County Local Emergency Planning
Committee

Local Fire Department within the
jurisdiction of the facility

RECEIVED
95 MAR -1 AM 9:59
OHIO STATE
EMERGENCY RESPONSE
COMMISSION

2.7	Latitude Deg. Min. Sec. 0 0 0	Longitude Deg. Min. Sec. 0 0 0	a. # of Employees
2.8	RCRA Identification # OH	a. NPDES Permit # OH	
2.9	State Wastewater Facility #	a. Pretreatment #	22
2.10	Air Permit Facility #	a. Check if list of Facility Permit numbers is attached.	

24 Hr. Telephone Number (Include area code)	18
(513) 228-6121	
Telephone Number (Include area code)	19
(513) 228-6121	
Telephone Number (Include area code)	20
(513) 228-6121	
Fire Department Telephone Number	21
(513) 224-9241	

(This Space for EPA use only)

3. Certification (Read and sign after completing all sections.)

I hereby certify that I have reviewed the attached documents and that, to the best of my knowledge and belief, the submitted information is true and complete and that the amounts and values in this report are accurate based on data available to the owners/operator of this facility.

3.1 -Name and official title of owner/operator or senior management official at facility Charles J. Borum, President	Office Telephone Number (513) 228-6121	23
3.2 -Signature Charles J. Borum	Date Signed 10/21 / 2/21 / 95	

Facility Identification Form

(Important: Type or print: Read Instructions before completing form.)

For filing Date: 0 3 / 0 1 / 9 3 /

☐ Check if form is identical to form submitted last year

County: Montgomery

1. Parent Company or Public Entity Identification

1.1	Name of Parent Company (30 char max) NA	11		
1.2	Address (30 char max)	12		
	Address (30 char max)			
	City (25 char max)			
	State			
	Zip Code -	1.3 - Parent Company: Dun & Bradstreet # - -	13	

2. Facility Identification

2.1	Operating Division Name (30 char max)															14
	Facility Name (30 char max) Dayton Electroplate, Inc.															15
2.2	Street Location (30 char max) 1030 Valley St.															16
	Mailing Address (if different from Street Location) (30 char max)															17
City (25 char max) Dayton															State OH	
Zip Code 4 5 4 0 4 - 					2.3 - Facility: Dun & Bradstreet # N A - - 					a. SIC Code 3 4 7 1						

2.4	Emergency Contact (30 char max) Charles J. Borum
-----	--

2.5	Alternate Contact (30 char max)	Morgan Moore
-----	---------------------------------	--------------

2.6	Fire Department Name (25 char max)
	Dayton City Fire Dept.

2.7	Latitude			Longitude					a. # of Employees					
	Deg.	Min.	Sec.	Deg.	Min.	Sec.								
	Ø			Ø										
2.8	RCRA Identification #						a. NPDES Permit #							
	O	H					O	H						
2.9	State Wastewater Facility #						a. Pretreatment #						22	
2.10	Air Permit Facility						a. Check if list of Facility Permit numbers is attached							

Where to send completed forms:

Ohio EPA
SERC
P.O. Box 1049, 1800 WaterMark Dr.
Columbus, Ohio 43266-0149

County Local Emergency Planning
Committee

Local Fire Department within the jurisdiction of the facility

RECEIVED
94 FEB 28 AM 8:07
IND STATE
EMERGENCY RESPONSE
COMMISSION

24 Hr. Telephone Number (Include area code)	18
5 1 3) 2 2 8 - 6 1 2 1	

Telephone Number (Include area code)	19
(5 1 3) 2 2 8 - 6 1 2 1	


Telephone Number (Include area code)	
(5 1 3) 2 2 8 - 6 1 2 1	20

Fire Department Telephone Number	21
(5 1 3) 2 2 4 - 9 2 4 1	

(This Space for EPA use only)

3. Certification (Read and sign after completing all sections.)

I hereby certify that I have reviewed the attached documents and that, to the best of my knowledge and belief, the submitted information is true and complete and that the amounts and values in this report are accurate based on data available to the owners/operator of this facility.

3.1 -Name and official title of owner/operator or senior management official at facility	Office Telephone Number	23
Charles J. Borum, President	(5 1 3) 2 2 8 - 6 1 2 1	
3.2 -Signature	Date Signed	
	0 2 / 2 5 / 9 4	

Tier Two EMERGENCY AND HAZARDOUS CHEMICAL INVENTORY Specific Information by Chemical	Facility Identification Name: Dayton Electroplate, Inc. Street Address: 1030 Valley St. City: Dayton County: Montgomery State: OH Zip: 45404 SIC Code 3 4 7 1 Dun & Brad Number N A 		Owner/Operator Name Name: Dayton Electroplate, Inc. Phone: (513)228-6121 Mail Address: 1030 Valley St. Dayton, OH 45404	
	Emergency Contact Name: Charles J. Borum Title: President Phone: (513)228-6121 24 Hr. Phone: (513)228-6121 Name: Morgan Moore Title: Director of Operation Phone: (513)228-6121 24 Hr. Phone: (513)228-6121			
	FOR OFFICIAL USE ONLY ID# Date Received 			

Important: Read all instructions before completing form

Reporting Period

From January 1 to December 31, 19 **93**
☐ Check if information below is identical to the information submitted last year.

Chemical Description	Physical and Health Hazards <small>(Check all that apply)</small>	Inventory	Container Type Pressure Temperature	Storage Codes and Locations (Non-confidential) Storage Locations	Optional
CAS 7 6 6 4 3 9 3 Trade Secret <input type="checkbox"/> Chem. Name: HYDROFLUORIC ACID Check all That apply <input type="checkbox"/> Pure <input checked="" type="checkbox"/> Mix <input type="checkbox"/> Solid <input checked="" type="checkbox"/> Liquid <input type="checkbox"/> Gas <input checked="" type="checkbox"/> EHS EHS Name: HYDROFLUORIC ACID	<input type="checkbox"/> Fire <input type="checkbox"/> Sudden Release of Pressure <input type="checkbox"/> Reactivity <input checked="" type="checkbox"/> Immediate (acute) <input checked="" type="checkbox"/> Delayed (chronic)	Max Daily Amount (code) 0 2 Avg. Daily Amount (code) 0 2 No. of Days On-site (days) 3 6 5	E I 4 [9,23]	Constituent in Autophoretic 35 Activator and '20359' located in Chemical Storage B-4,B-5,B-7	<input type="checkbox"/>
CAS 7 6 4 7 0 1 0 Trade Secret <input type="checkbox"/> Chem. Name: HYDROGEN CHLORIDE Check all That apply <input type="checkbox"/> Pure <input checked="" type="checkbox"/> Mix <input type="checkbox"/> Solid <input checked="" type="checkbox"/> Liquid <input type="checkbox"/> Gas <input checked="" type="checkbox"/> EHS EHS Name: HYDROGEN CHLORIDE	<input type="checkbox"/> Fire <input type="checkbox"/> Sudden Release of Pressure <input type="checkbox"/> Reactivity <input checked="" type="checkbox"/> Immediate (acute) <input checked="" type="checkbox"/> Delayed (chronic)	Max Daily Amount (code) 0 3 Avg. Daily Amount (code) 0 3 No. of Days On-site (days) 3 6 5	C I 4 E I 4 [71,31]	Located in areas G-3,H-1 Located in Chemical Storage B-2	<input type="checkbox"/>
CAS 7 6 9 7 3 7 2 Trade Secret <input type="checkbox"/> Chem. Name: NITRIC ACID Check all That apply <input type="checkbox"/> Pure <input checked="" type="checkbox"/> Mix <input type="checkbox"/> Solid <input checked="" type="checkbox"/> Liquid <input type="checkbox"/> Gas <input checked="" type="checkbox"/> EHS EHS Name: NITRIC ACID	<input type="checkbox"/> Fire <input type="checkbox"/> Sudden Release of Pressure <input type="checkbox"/> Reactivity <input checked="" type="checkbox"/> Immediate (acute) <input checked="" type="checkbox"/> Delayed (chronic)	Max Daily Amount (code) 0 2 Avg. Daily Amount (code) 0 2 No. of Days On-site (days) 3 6 5	N I 4 D I 4 D I 4 [26,18,23,12]	Constituent in Enthobrite CNZ Clarifier located in Chemical Storage B-1 Constituent in Enthox 747 located in Chemical Storage B-2 Located in Chemical Storage B-2	<input type="checkbox"/>

Certification (Read and sign after completing all sections)

 I certify under penalty of law that I have personally examined and am familiar with the information submitted in pages one through **3**, and that based on my inquiry of those individuals responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete.

Charles J. Borum, President

Name and official title of owner/operator OR owner/operator's authorized representative

Signature

Date signed

Optional Attachments

- ☒
- I have attached a site plan
-
- ☐
- I have attached a list of site coordinate abbreviations
-
- ☐
- I have attached a description of dikes and other safeguard measures

Tier Two EMERGENCY AND HAZARDOUS CHEMICAL INVENTORY Specific Information by Chemical	Facility Identification Name: Dayton Electroplate, Inc. Street Address: 1030 Valley St. City: Dayton County: Montgomery State: OH Zip: 45404 SIC Code 3 4 7 1 Dun & Brad Number N A		Owner/Operator Name Name: Dayton Electroplate, Inc. Phone: (513)228-6121 Mail Address: 1030 Valley St. Dayton, OH 45404	
	FOR OFFICIAL USE ONLY ID# _____ Date Received _____		Emergency Contact Name: Charles J. Borum Title: President Phone: (513)228-6121 24 Hr. Phone: (513)228-6121 Name: Morgan Moore Title: Director of Operation Phone: (513)228-6121 24 Hr. Phone: (513)228-6121	

Important: Read all instructions before completing form

Reporting Period

From January 1 to December 31, 19 **93**
☐ Check if information below is identical to the information submitted last year.

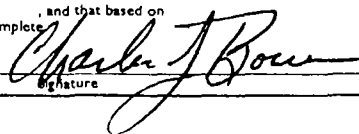
Chemical Description	Physical and Health Hazards <small>(Check all that apply)</small>	Inventory	Storage Codes and Locations (Non-confidential) <i>Storage Locations</i>	Optional
CAS 1 4 3 3 3 9 Trade Secret <input type="checkbox"/> Chem. Name: SODIUM CYANIDE Check all That apply: <input type="checkbox"/> Pure <input checked="" type="checkbox"/> Mix <input checked="" type="checkbox"/> Solid <input type="checkbox"/> Liquid <input type="checkbox"/> Gas <input checked="" type="checkbox"/> EHS EHS Name: SODIUM CYANIDE	<input type="checkbox"/> Fire <input type="checkbox"/> Sudden Release of Pressure <input type="checkbox"/> Reactivity <input checked="" type="checkbox"/> Immediate (acute) <input checked="" type="checkbox"/> Delayed (chronic)	Max Daily Amount (code) 0 3 Avg. Daily Amount (code) 0 3 No. of Days On-site (days) 3 6 5	Container Type D I 4 Pressure _____ Temperature _____ Located in Chemical Storage B-8; Plater G-5 [45]	<input type="checkbox"/>
CAS 7 6 6 4 9 3 9 Trade Secret <input type="checkbox"/> Chem. Name: SULFURIC ACID, CONCENTRATED Check all That apply: <input type="checkbox"/> Pure <input checked="" type="checkbox"/> Mix <input type="checkbox"/> Solid <input checked="" type="checkbox"/> Liquid <input type="checkbox"/> Gas <input checked="" type="checkbox"/> EHS EHS Name: SULFURIC ACID	<input type="checkbox"/> Fire <input type="checkbox"/> Sudden Release of Pressure <input checked="" type="checkbox"/> Reactivity <input checked="" type="checkbox"/> Immediate (acute) <input checked="" type="checkbox"/> Delayed (chronic)	Max Daily Amount (code) 0 4 Avg. Daily Amount (code) 0 4 No. of Days On-site (days) 3 6 5	Container Type E I 4 Pressure _____ Temperature _____ Located in Chemical Storage B-2,B-3 28	<input type="checkbox"/>
CAS 1 3 3 3 8 6 4 Trade Secret <input type="checkbox"/> Chem. Name: AUTOPHORETIC 866 REPLENISHER Check all That apply: <input type="checkbox"/> Pure <input checked="" type="checkbox"/> Mix <input type="checkbox"/> Solid <input checked="" type="checkbox"/> Liquid <input type="checkbox"/> Gas <input type="checkbox"/> EHS EHS Name:	<input type="checkbox"/> Fire <input type="checkbox"/> Sudden Release of Pressure <input type="checkbox"/> Reactivity <input checked="" type="checkbox"/> Immediate (acute) <input checked="" type="checkbox"/> Delayed (chronic)	Max Daily Amount (code) 0 4 Avg. Daily Amount (code) 0 4 No. of Days On-site (days) 3 6 5	Container Type I I 4 Pressure _____ Temperature _____ Located in Chemical Storage B-4,B-5 32	<input type="checkbox"/>

Certification (Read and sign after completing all sections)

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Charles J. Borum, President

Name and official title of owner/operator OR owner/operator's authorized representative


2/25/94

Optional Attachments

- ☒ I have attached a site plan
☐ I have attached a list of site coordinate abbreviations
☐ I have attached a description of dikes and other safeguard measures

Tier Two EMERGENCY AND HAZARDOUS CHEMICAL INVENTORY Specific Information by Chemical	Facility Identification Name: Dayton Electroplate, Inc. Street Address: 1030 Valley St. City: Dayton County: Montgomery State: OH Zip: 45404 SIC Code: 3 4 7 1 Dun & Brad Number: N A 		Owner/Operator Name Name: Dayton Electroplate, Inc. Phone: (513)228-6121 Mail Address: 1030 Valley St. Dayton, OH 45404	
	Emergency Contact Name: Charles J. Borum Title: President Phone: (513)228-6121 24 Hr. Phone: (513)228-6121 Name: Morgan Moore Title: Director of Operation Phone: (513)228-6121 24 Hr. Phone: (513)228-6121			
	FOR OFFICIAL USE ONLY: ID# _____ Date Received _____			

Important: Read all instructions before completing form		Reporting Period From January 1 to December 31, 19 93		<input type="checkbox"/> Check if information below is identical to the information submitted last year.	
Chemical Description CAS 1 3 1 0 7 3 2 Trade Secret <input type="checkbox"/> Chem. Name: 50% CAUSTIC SODA-DIAPHRAGM Check all That apply: <input type="checkbox"/> Pure <input checked="" type="checkbox"/> Mix <input type="checkbox"/> Solid <input checked="" type="checkbox"/> Liquid <input type="checkbox"/> Gas <input type="checkbox"/> EHS EHS Name:	Physical and Health Hazards <i>(Check all that apply)</i> <input type="checkbox"/> Fire <input type="checkbox"/> Sudden Release of Pressure <input type="checkbox"/> Reactivity <input checked="" type="checkbox"/> Immediate (acute) <input checked="" type="checkbox"/> Delayed (chronic)	Inventory <div style="display: flex; justify-content: space-between;"> <div> 04 Max Daily Amount (code) 04 Avg. Daily Amount (code) 365 No. of Days On-site (days) </div> <div> Container Type: EI4 Pressure: Temperature: 43 </div> </div>	Storage Codes and Locations (Non-confidential) Storage Locations: Located in Chemical Storage B-2,B-3	Optional	
CAS Trade Secret <input type="checkbox"/> Chem. Name: Check all That apply: <input type="checkbox"/> Pure <input type="checkbox"/> Mix <input type="checkbox"/> Solid <input type="checkbox"/> Liquid <input type="checkbox"/> Gas <input type="checkbox"/> EHS EHS Name:	<input type="checkbox"/> Fire <input type="checkbox"/> Sudden Release of Pressure <input type="checkbox"/> Reactivity <input type="checkbox"/> Immediate (acute) <input type="checkbox"/> Delayed (chronic)	<div style="display: flex; justify-content: space-between;"> <div> Max Daily Amount (code) Avg. Daily Amount (code) No. of Days On-site (days) </div> <div> Container Type: Pressure: Temperature: </div> </div>			
CAS Trade Secret <input type="checkbox"/> Chem. Name: Check all That apply: <input type="checkbox"/> Pure <input type="checkbox"/> Mix <input type="checkbox"/> Solid <input type="checkbox"/> Liquid <input type="checkbox"/> Gas <input type="checkbox"/> EHS EHS Name:	<input type="checkbox"/> Fire <input type="checkbox"/> Sudden Release of Pressure <input type="checkbox"/> Reactivity <input type="checkbox"/> Immediate (acute) <input type="checkbox"/> Delayed (chronic)	<div style="display: flex; justify-content: space-between;"> <div> Max Daily Amount (code) Avg. Daily Amount (code) No. of Days On-site (days) </div> <div> Container Type: Pressure: Temperature: </div> </div>			

Certification (Read and sign after completing all sections)

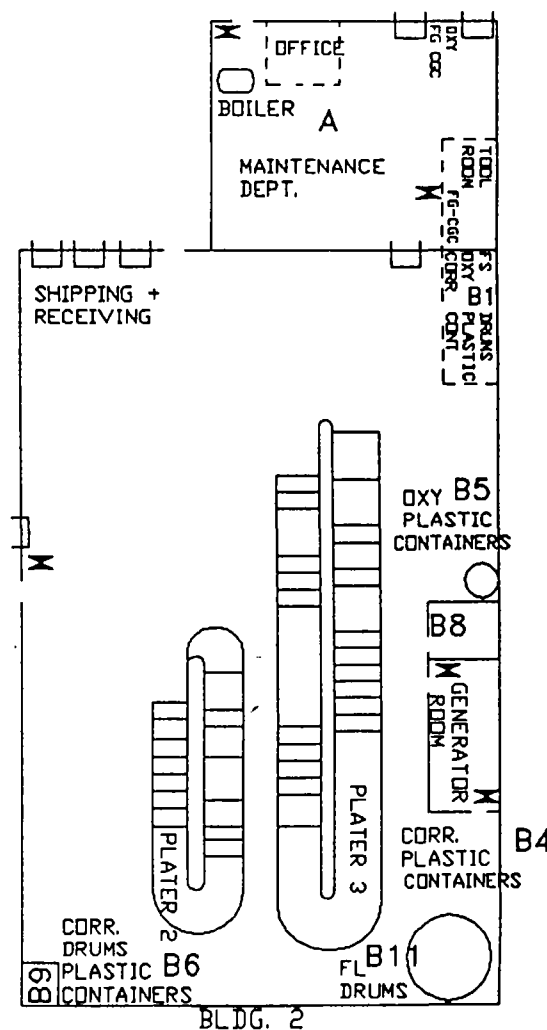
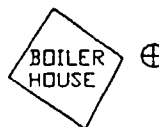
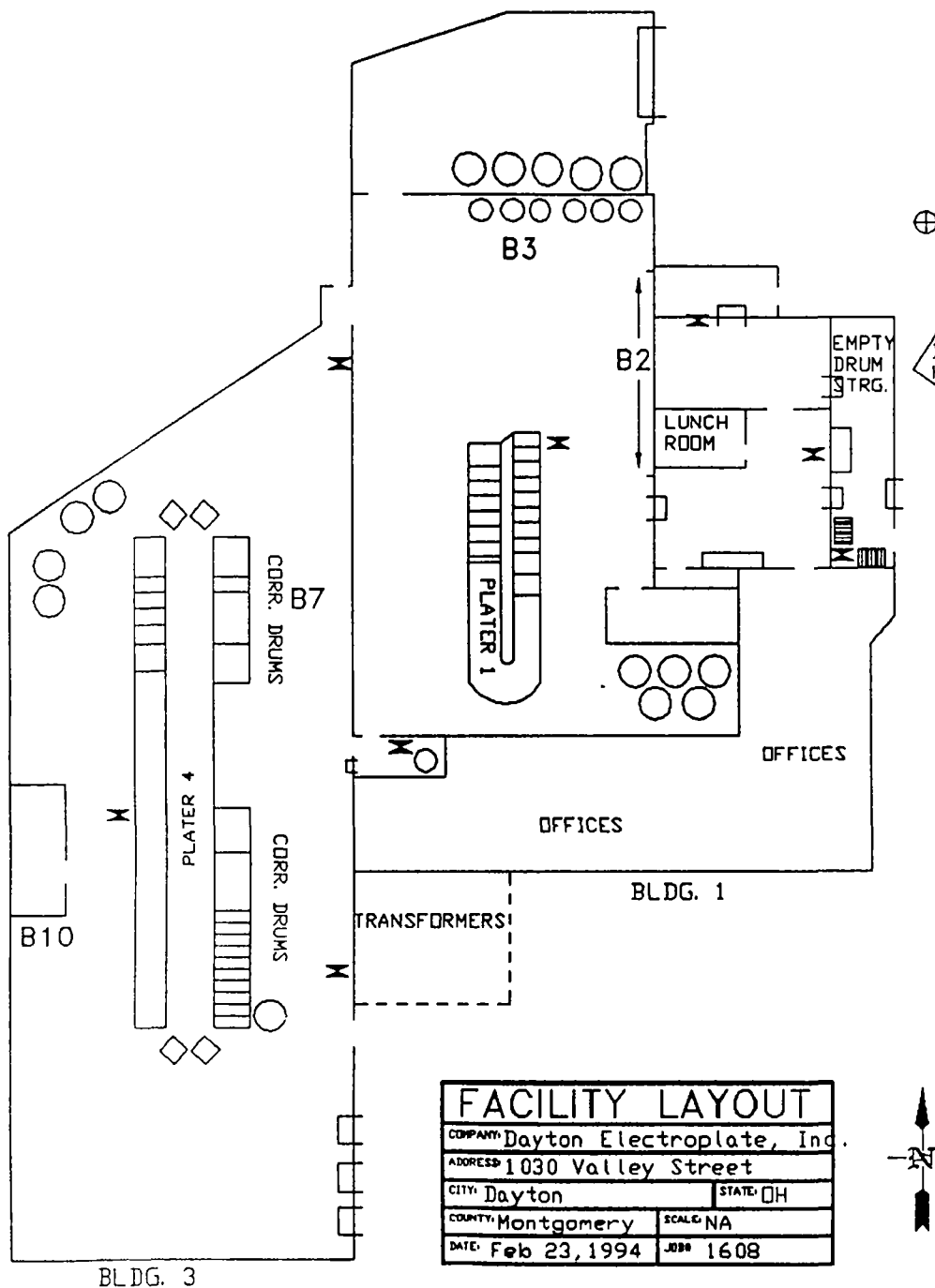
 I certify under penalty of law that I have personally examined and am familiar with the information submitted in pages one through **3**, and that based on my inquiry of those individuals responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete.

Charles J. Borum, President

Name and official title of owner/operator OR owner/operator's authorized representative

 Signature: *Charles J. Borum* Date signed: **2/25/94**
Optional Attachments

- ☒ I have attached a site plan
- ☐ I have attached a list of site coordinate abbreviations
- ☐ I have attached a description of dikes and other safeguard measures



SARA SERVICES

I N C O R P O R A T E D

A Subsidiary of SARA Environmental, Inc.

23 Feb 1994

Bill Ford
Fire Prevention
300 N. Main
Dayton, OH 45402

Ken LeBlanc, Planning Manager
Montgomery County LEPC
400 Miami Valley Tower
40 West 4th St.
Dayton, OH 45402

Ohio Emergency Response Commission
Ohio Environmental Protection Agency
P.O. Box 1049
Columbus, OH 43266-0149
Attn: R-T-K

Dear Sirs:

Enclosed is the EPA SARA Title III Tier II information report which we are submitting on behalf of Dayton Electroplate, Inc.. If there are any questions regarding the report, please do not hesitate to contact us.

Thank you,



James E. Walters
President/CEO
SARA Services, Inc.

JW/jg

Enclosures

cc: Dayton Electroplate, Inc.



State of Ohio Environmental Protection Agency

STREET ADDRESS:

1800 WaterMark Drive
Columbus, OH 43215-1099

TELE: (614) 644-3020 FAX: (614) 644-2329

MAILING ADDRESS:

P.O. Box 1049
Columbus, OH 43216-1049

September 12, 1996

Re: **Dayton Electroplate, Inc.**
OHD004278628
Montgomery County

Jason El-Zein, Chief
Response Section 1
U.S. EPA, Region V
9311 Groh Road
Grosse Ile, Michigan 48138-1697

Dear Mr. El-Zein:

During a recent inspection of the above referenced facility, Ohio EPA determined that the site poses an imminent and substantial endangerment to both the local population and the environment. Due to the circumstances described below, I hereby request that U.S. EPA conduct an emergency removal action as soon as feasible for your office.

On or about April 12, 1996, Dayton Electroplate filed for Chapter 7 bankruptcy protection, and soon thereafter ceased operations at the site. Upon discovery that Dayton Electroplate (and its owner, Charles Borum) had ceased operations, on August 28, 1996, representatives from Ohio EPA and the Ohio Attorney General's Office visited the site to evaluate it's status and to determine what measures were necessary to minimize risks posed to the surrounding homes, businesses, and the public at large.

The bankruptcy court-appointed trustee provided access to the locked facility. Upon entering the plating area, Agency personnel observed acid vapor collecting near the ceiling and noted a strong acidic odor permeating the building. Investigators immediately vacated the building, and therefore obtained only a cursory overview of the facility's present condition. We do know that the main plating line is relatively large and process tanks appeared full and in poor condition. Investigators did not have the opportunity to determine the exact chemical nature of the tanks' contents, but the facility's inspector is familiar with the types of chemicals and processes utilized (acids, caustics, cyanide bath, etc.).

Many unknown drums of questionable integrity are scattered throughout the interior. Water is standing in floor drains and channels. Approximately 30 unopened drums of chemicals are staged near the process line, and appear to be unused and potentially salvageable product. To the best of the Agency's knowledge, Borum stored the majority of ignitable chemicals and wastes in a second warehouse on site, apart from the plating lines. Again, due to the aborted investigation we could not confirm the presence of any ignitable substances in the plating warehouse.

Due to the acidic atmosphere in the building, and upon initial determination that the facility warranted referral to your office for emergency action, Agency investigators chose not to re

George V. Voinovich, Governor
Nancy P. Hollister, Lt. Governor
Donald R. Schregardus, Director

Mr. Jason El-Zein
September 12, 1996
Page 2

enter the building in protective gear at that time. The trustee then locked the door and to our knowledge it's remained locked since.

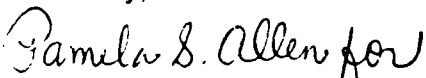
By way of background, Ohio EPA and U.S. EPA have a long enforcement history with Dayton Electroplate and its owner, Charles Borum, beginning with an inspection in 1988 and including:

- 1) March 17, 1995 Consent Agreement and Final Order (Docket No. V-W-014-94), federal order for LDR violations and associated civil penalty;
- 2) May 4, 1995 Consent Order (Montgomery County Court of Common Pleas, Case No. 94-0518, State of Ohio, ex rel. Attorney General of Ohio vs. Dayton Electroplate, Inc. Et al.), orders for closure and civil penalty for illegal storage etc.; and
- 3) February 29, 1996 Judgement Entry (Montgomery County Court of Common Pleas, Case No. 94-0518, State of Ohio, ex rel. Betty D. Montgomery Attorney General of Ohio vs. Dayton Electroplate, Inc. and Charles Borum), orders for closure and civil penalty. Dayton Electroplate and Mr. Borum are now in contempt of both state orders for failure to close the facility.

I understand that Dave Combs of Ohio EPA Southwest District Office's Special Investigation Unit contacted your OSC at nearby Green Industries and advised him of this situation in nearby Dayton. Mr. Combs advised the OSC to contact the Attorney General's Office and bankruptcy trustee to gain access to the facility if he'd like to do an initial assessment. This visit has not taken place to date.

My staff has discussed this matter with Kevin Clouse and he is aware of the circumstances of this request and agrees with this course of action. Thank you for your time and continued consideration in this matter. If you have any related questions or concerns, please contact **Elisabeth Rothschild** from Ohio EPA's Southwest District Office at (513) 285-6080, or **John Schierberl** of my staff at (614) 644-2955.

Sincerely,



Michael A. Savage, Assistant Chief
Division of Hazardous Waste Management

wp61.MAS.js.lcn.g.js.deusepa

Attachments

cc w/o attachments: John Schierberl, CAS, DHWM
Elisabeth Rothschild, DHWM, SWDO
Lori Massey, AGO



State of Ohio Environmental Protection Agency

Southwest District Office

401 East Fifth Street
Dayton, Ohio 45402-2911
(513) 285-6357
FAX (513) 285-6249

George V. Voinovich
Governor

December 6, 1995

RE: DAYTON ELECTROPLATE
HAZARDOUS WASTE
MONTGOMERY COUNTY
OHD 004 278 628
LQG

Mr. Chuck Borum
Dayton Electroplate
1030 Valley Street
Dayton, Ohio 45404

Dear Mr. Borum:

On November 15, 1995 Tim Staiger and I conducted an inspection of Dayton Electroplate. The purpose of the inspection was to investigate a complaint that alleged that Dayton Electroplate was storing hazardous waste on-site. During the inspection Ernie Vagedes and Gary Smith represented Dayton Electroplate. The following violations were noted:

1. During the inspection we noted three 55 gallon drums that contained waste from the nickel plating tanks. These wastes had not been evaluated to determine if they are a hazardous waste. Therefore, Dayton Electroplate is in violation of rule 3745-52-11 of the Ohio Administrative Code (OAC). To correct this violation all wastes must be evaluated to determine if they are hazardous.
2. During the inspection we noted three 55 gallon drums that contained filter pads from a plating line that contains cyanides. These wastes would be considered hazardous. However, these drums did not have the words "hazardous waste" or an accumulation date marked on them. Therefore, Dayton Electroplate is in violation of rules 3745-52-34(A)(3) and 3745-52-34(A)(2) of the Ohio Administrative Code. To correct this violation all containers of hazardous waste must be marked with the words "hazardous waste" and an accumulation date.

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OHIO EPA

DEC 11 1995

DIVISION OF
HAZARDOUS WASTE MGT



Printed on recycled paper

Mr. Chuck Borum

December 6, 1995


Page 2

In addition to the above listed violations to date Dayton Electroplate, Inc. has failed to comply with the terms and conditions of the May 4, 1995 Consent Order between Dayton Electroplate, Inc. and the State of Ohio. Therefore, Dayton Electroplate is in violation of rules 3734.11(A) and 3734.13(D) of the Ohio Revised Code.

Please correct all violations immediately and submit documentation of those corrections to this office.

If you have any question please feel free to contact me at (513)285-6080.

Sincerely,

A handwritten signature in cursive script, appearing to read "Elisabeth Rothschild".

Elisabeth Rothschild

Division of Hazardous Waste Management

cc: Laurie Stevenson, DHWM, CO
John Schierberl, DHWM, CO
Lori Massey, AGO

January 3, 1994

MEMO TO FILE

FROM: CHARLES J. BORUM

SUBJECT: DAYTON ELECTROPLATE'S REDUCTION OF HAZARDOUS
MATERIALS USED IN ITS OPERATION

In 1984 when Dayton Electroplate was originally formed it acquired the assets including plating operations from the previous company. At that time the operations did not have installed a complete Waste water Treatment System. As soon as possible Dayton Electroplate entered into contracts to purchase and install a complete automatic Waste water Treatment System. This system was designed to handle the results of waste water streams of zinc plating solutions, nickel plating solutions, chrome electroplating solutions and chromates. Also the system was designed to handle all of the cleaning waste including concentrates from these various plating lines. That system was up and running by early 1985 and continues today. It also included emergency holding systems.

In addition Dayton Electroplate's plating lines included a total of 43,905 gallons of cyanide zinc plating solutions. The cyanide concentration and zinc concentration was approximately 4 ounces per gallon of cyanide and between 2 and 3 ounces per gallon of zinc. Also Dayton Electroplate had nickel plating solutions totaling 10,945 gallons and 2,930 gallons of chrome electroplating solutions.

Today, Dayton Electroplate has a total of 9,755 gallons of non cyanide alkaline plating solutions and 15,260 gallons of low cyanide zinc plating solutions. This latter zinc plating solution is at a concentration of approximately 2 ounces per gallon of cyanide and between 1 and 1-1/2 ounces of zinc per gallon.

All nickel and chrome plating solutions have been eliminated so that today Dayton Electroplate's plating operation involves only zinc plating operations.

Also in 1984-1985 Dayton Electroplate used a clear lacquer overcoat on 2 different lines and these lines used a chrome bearing lacquer. First one of the lines was eliminated and then the other was converted to a non-chrome water based lacquer.

As can be seen by the above Dayton Electroplate has made great strides in reducing it's hazardous material utilization in it's operation. No new hazardous materials have been added to the operation. All of this was at a substantial increase in cost including the Company's cost to adjust to a different market it now serves.

